

Product datasheet for **MR209422**

Entpd4 (NM_026174) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Entpd4 (NM_026174) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Entpd4
Synonyms:	1200014F22Rik; 4930513O14Rik; A430102M06Rik; AI414893; Lysal1; mKIAA0392
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209422 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAGGATTGCATTTCTGTCTTTCTGCCTCTTGGCATTTAGCATCTCTCCAGTGGGCTGTC
 CTGAATTCTGAACACCAATTTACGACAAATCGTTGTCATTAGCATCCTGGCTGCAGCTGTCTCCCTTTT
 ATACTTCTCTGTTGCATAATCCGACGCAAGTATGGGTGGCTGTCAAAGGACAAGAAATTTCAAAGTAC
 TTGGCCCGAGTCACAGACGTTGAGGCCACAGACACCAACAACCCAGCGTGAAGTATGGCATCGTGGTGG
 ACTGCGGCAGCAGTGGTCTCGGATATTTGCTACTGCTGGCCTCGGCACAATGGCAACCCTCACGATCT
 GCTGGACATCAGACAGATGAGGGACAAAACCGGAAGCCAGTGGTATGAAGATTAAGCCCGGCATCTCA
 GAGTTTGCTACCTCTCCAGAAAAAGTACGCGACTACATTTCTCCGCTTCTGAGCTTTGCTGCAGAACATG
 TGCCCTCGGGCAAAACACAAGAGACACCTCTACATTCTGTCACAGCTGGAATGAGAGTCTTCTCTGA
 AAGCCAGCAGAAAGCCATCCTAGAGGACCTCTGACCGACATCCCTGTGCACTATGATTTCTGTTTTCT
 GACTCCCATGCCGAAGTCATCTCAGGAAAACAAGAAGGTGTATGCTTGGATCGGCATTAATTTTGTC
 TCGGACGGTTTGGAGCATATTGAGGAGGATGACGAGGCGGTTGTGGAAGTCAACATTCGGGCAGCGAGAG
 CAGCGAGGCCATCGTGGGAAAAGGACAGCTGGTGTCTCGCATGGGAGGCGTGTACCCAGATAGCG
 TACGAAGTCCCCAAACTGTAAGCTTTGCCTCCTCGCAGCAGGAAGAAGTAGTAAAACTGTTAGCTG
 AATTCACCTGGGGTGCATGTCCACCAGACTGAGCATGTGTACCGCGTCTACGTGGCCACGTTTCTTGG
 GTTTGGTGGTAATGCTGCCCGGCAGAGATGAAGACCGACTATTTGCCAGCACAGTTGAGAAAAACAGG
 CTCCTGGGTAACAGACTGGTCTGACTCCTGATGCTCCACTACTGGATCCCTGCTTGCCTCTGGACATTA
 AAGATGAGATCCAGCAAAACGGCAGACCCTGTACCTTCAGGGGACAGGAGACTTTGACCTGTGTCGAGA
 GACCTTGCAGCCTTTTATGAACAAAACCAATGAGACCCAGACTTCCCTCAATGGCGTCTACCGCCTCCA
 ATCCACTTCCAGAACAGTGAATTCTACGCTTCTCTGAGTTCTACTACTGCACCGAGGATGTCTTGCAGAA
 TGGGGGGAGACTACAATGCTGCTAGATTCACTCAAGCTGCCAAGGATTACTGTGCAACAAAGTGGTCGAT
 CCTGCGGGAACGCTTTGACCGAGGACTCTATGCCTCTCATGCCGACCTCCATCGACTGAAGTATCAGTGT
 TTCAAATCAGCCTGGATGTTGAGGTTTCCACAAAGGCTTCTCCTTCTGTACCTACAAAACTGA
 AGACGGCCTTGCAGGTGTATGACAAGGAAGTACAGTGGACCTGGGGGCCATCCTTACCAGACCGCTT
 CCTGCCCTTGCAGACATCCGGCAGGAGGTGTTCCGAGCTGGCCACGCGCACTGGCGGGGCGTGTCTTC
 GTCTACAACCACTATCTGTTCTCCGTTGCTTCTGGTGTCTTCTGTCCATCCTTCTCTACCTGTGTC
 GGCTGCGGCGCATCCACCGCAGGCGCCCGCACTGGCTCTCTGTGGATGGAGGAAGGCCTGCCCTCCA
 GAAGGGCCTGGGCCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

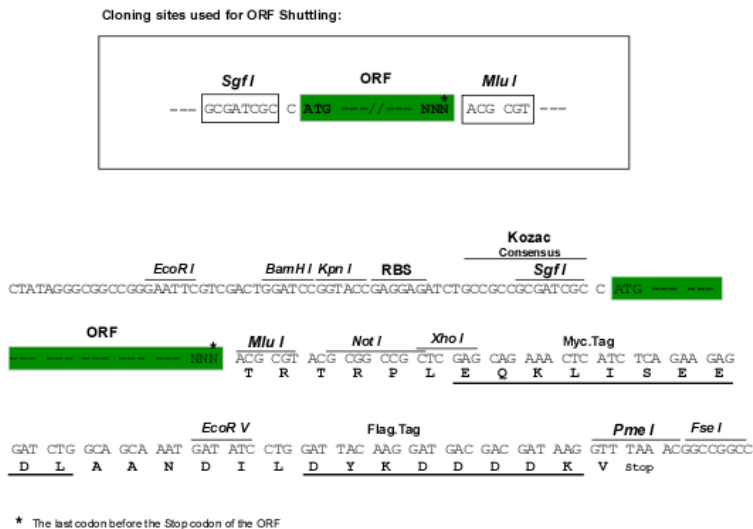
>MR209422 protein sequence
 Red=Cloning site Green=Tags(s)

MGRIGISCLFPASWHFISISVPGCPRI LNTNLRQIVVISILAAVSLLYFSVVIIRSKYGLSKDKKFQRY
 LARVTDVEATDTNPNVSVNYGIVVDCGSSGSRIFVYCWPRHNGNPHDLLDIRQMRDKNRKPVVMKIKPGIS
 EFATSPEKVSDYISPLL SFAAEHVPRAKHETPLYILCTAGMRVLPESQKAILEDLLTDIPVHYDFLFS
 DSHAEVISGKQEGVYAWIGINFVLGRFEHIEEDDEAVVEVNIPGESSEAIVRKRTAGVLDMGGVSTQIA
 YEVPQTVSFASSQEEVAKNLLAEFNLGCDVHQTEHVYRVYVATFLGFGGNAARQRYEDRLFASVQKNR
 LLGKQGLTPDAPLLDPCLPLDIKDEIQNGQTLYLQGTGDFDLCRETLQPFMNKTNETQTSNLNGVYQPP
 IHFQNSEFYGFSEFYCTEDVLRMGDYNAAFRTQAAKDYCATKWSILRERFDRGLYASHADLHRLKYQC
 FKSAWMFEVFKGFSPVYKNLKLTALQVYDKEVQWTLGAILYRTRFLPLRDIRQEVFRAGHAHWRVGSF
 VYNHYLFSGCFLVLLSILLYLLRLRIHRRAPRTGSLWMEEGLPSQKGPGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026174

ORF Size: 1842 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_026174.3](#)

RefSeq Size: 3084 bp

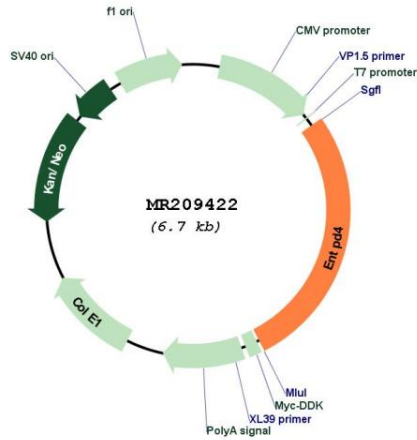
RefSeq ORF: 1842 bp

Locus ID: 67464

UniProt ID: [Q9DBT4](#)

Cytogenetics: 14 D2
 MW: 69.7 kDa
 Gene Summary: Hydrolyzes preferentially nucleoside 5'-diphosphates, nucleoside 5'-triphosphates are hydrolyzed only to a minor extent.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209422